EXHIBIT G

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 2 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	UNITED STATES DISTRICT COURT
2	NORTHERN DISTRICT OF CALIFORNIA
3	SAN FRANCISCO DIVISION
4	ORACLE AMERICA, INC.,
5	Plaintiff,) Case No.
6	vs.) CV 10-03561 WHA
7	GOOGLE, INC.,
8	Defendant.)
9)
10	
11	HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
12	VIDEOTAPED 30(b)(6) DEPOSITION OF GOOGLE, INC.
13	DESIGNEE: HIROSHI LOCKHEIMER
14	Palo Alto, California
15	Tuesday, December 8, 2015
16	
17	
18	
19	
20	
21	
22	Reported by:
23	KELLI COMBS, CSR No. 5908
24	Job No. 2189227
25	Pages 1 - 370
	Page 1

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 3 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	Q And what does that involve?	1
2	A What does leading it involve?	
3	Q What is the effort?	
4	A I see. What is the effort? Well, there	
5	are a number of components to it. Would you like	1
6	me to enumerate them?	
7	Q Please.	
8	A So I can think of at least two distinct	
9	efforts there that are interrelated but somewhat	
10	separate. The first one we call Project Brillo,	1
11	and it is basically if you think of the Android	
12	operating system and how widely it's been adopted	
13	by the industry and "industry" here, I'm	
14	referring to manufacturers basically one of the	
15	benefits that Android brings as an operating system	1
16	is that, first of all, there are a lot of	
17	manufacturers who are familiar with it, but also	
18	there are a lot of component suppliers who are	
19	familiar with it. And by "component suppliers" I'm	
20	talking about chip manufacturers or sensor	1
21	providers, you know, silicon providers, hardware	
22	providers.	
23	And so this is really, I'm talking	
24	about the Android kernel and and and sort of	
25	that realm, not the application framework or	1
	Page	68

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 4 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	nothing of that nature, more just the hardware	1
2	portions of it.	
3	There are a lot of hardware providers	
4	that are familiar with Android, so our idea was to	
5	take that broad support base for the Android	1
6	kernel and drivers and so on and make it possible	
7	for folks who are familiar with that technology to	
8	also build devices in the IOT space. So that's	
9	what Project Brillo is.	
10	And then the other I mentioned there	1
11	are at least two I can think of. The other one is	
12	called Weave, and Weave is a you can think of	
13	it as a protocol that enables devices to discover	
14	each other and talk to each other.	
15	One of the common problems in the IOT	1
16	space is that there are many, many devices out	
17	there that are capable of connecting to the	
18	Internet and doing something useful for you in	
19	your life, but a lot of these devices don't know	
20	how to talk to each other or don't even know about	1
21	each other. And our thinking was that if these	
22	devices could all talk to each other and exchange	
23	status or commands, things like that, maybe the	
24	whole combination of all of these devices would be	
25	much more powerful for the end user.	1
	Page	69

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 5 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	So that's what Weave enables at a	1
2	protocol level. It's separate from any operating	
3	system. It's agnostic to what the operating	
4	system is. It's just a way in which devices talk	
5	to each other, a language not even a way, in	1
6	the sense that it's more like a language, a common	
7	language, that's shared between devices.	
8	Q Who is leading your effort with respect to	
9	Android TV?	
10	A Mario Queiroz. We can help you with the	1
11	spelling later.	
12	Q What is your effort with respect to	
13	Android TV?	
14	A What is my effort?	
15	Q Google's effort. When I say "you," I'm	1
16	only talking about Google, right?	
17	A Okay. What is our effort related to	
18	Android TV; that was your question?	
19	Q Yes.	
20	A Well, the thinking there is that	1
21	televisions these days have become pretty	
22	sophisticated, and they all require an operating	
23	system. So we figured we have an operating system	
24	with with a lot of adoption and a lot of, again,	
25	industry knowledge, and many times a phone	1
	Page	70

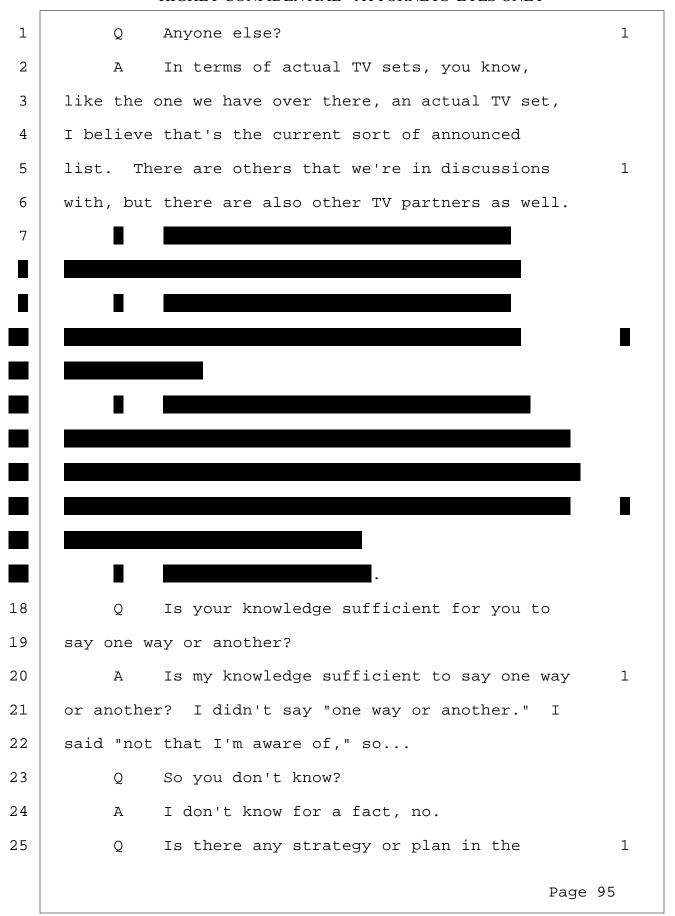
Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 6 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	structured.	1
2	So when I took on the Chromecast team,	
3	which is under Mario, who I mentioned before,	
4	Mario had a business development team working for	
5	him. Now, Mario reports to me now, so therefore,	1
6	the business development team under Mario report	
7	into me.	
8	That team has responsibility has had	
9	responsibilities negotiating deals with various	
10	manufacturers and partners in the TV/living room	1
11	space.	
12	In parallel, Ornella's team, Jim	
13	Kolotouros' team, had been negotiating other deals	
14	not in the living room or TV space for many years	
15	now. So there are two business development teams	1
16	now; one of them through Mario reporting into me,	
17	another one through Jim Kolotouros reporting into	
18	Ornella and Philipp.	
19	It turns out, these two business	
20	development teams oftentimes as I mentioned	1
21	earlier, a lot of TV manufacturers also build	
22	phones and vice versa, so it turns out these two	
23	business development teams are calling upon the	
24	same partner. And so that got a little bit	
25	confusing in the responsibility confusing not	1
	Page	93

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 7 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	only for Google but also for the partner.	1
2	So in order to this is why it's a	
3	little bit hazy. That's why I can't give you an	
4	exact answer, because it's a little bit history	
5	and a little bit of organizational duplication in	1
6	this area that we're still working through.	
7	Q Which team has responsibility for phones?	
8	MS. ANDERSON: Objection; form.	
9	THE WITNESS: For phones, it would be Jim	
10	Kolotouros' team.	1
11	BY MS. HURST:	
12	Q So the people responsible for negotiating	
13	deals with phone manufacturers do not report through	
14	you, true?	
15	MS. ANDERSON: Objection; form.	1
16	THE WITNESS: Correct.	
17	BY MS. HURST:	
18	Q Is there any television manufacturer,	
19	other than Sony, who's agreed to use Android TV?	
20	A Yes.	1
21	Q Who else?	
22	A Sharp is an example.	
23	Q Anyone else?	
24	A I believe Philips TP Vision is another	
25	example.	1
	Page	94

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 8 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY



Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 9 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	business development group, the one that doesn't 1	
2	report to you, to use revenue sharing or other forms	
3	of payment in order to get television manufacturers	
4	to use Android TV?	
5	A Your question is whether that team that 1	
6	doesn't report to me are contemplating using	
7	revenue share to entice manufacturers to use	
8	Android TV; is that your question?	
9	Q Let's start there.	
10	A I don't know.	
11	Q Is there a group somewhere responsible for	
12	getting people to use Android Wear?	
13	A There's a group of people who's	
14	responsible for not only developing but also	
15	deploying Android Wear, yes.	
16	Q When you say "deploying," that's what you	
17	mean by getting other people to use it?	
18	A Yeah, generally just getting other people	
19	to use it, supporting them when they've decided to	
20	use it, helping them commercialize it, helping them 1	
21	support it.	
22	Q Okay.	
23	And does that team report through you?	
24	A A portion of that team, yes.	
25	Q Does the deployment piece report through 1	
	Page 96	
	lage 50	

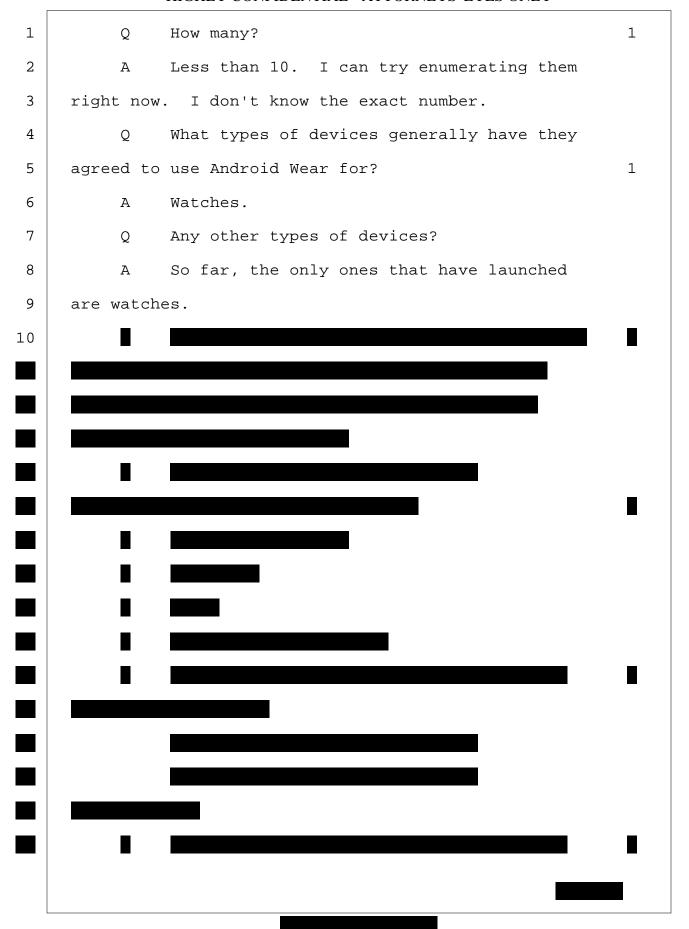
Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 10 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	you?	1
2	A A portion of it.	
3	Q Who's the senior-most person responsible	
4	for Android Wear who reports to you or through you,	
5	your line of command?	1
6	A David Singleton, and he reports directly	
7	to me.	
8	Q And where is he located?	
9	A He lives in United Kingdom.	
10	Q And is the Android Wear effort, is that	1
11	generally located in the United Kingdom?	
12	A No. It's mixed.	
13	Q Including some people here?	
14	A Yes, here and Mountain View, correct.	
15	Q Is there and who, outside of the chain	1
16	of reporting up through you, has some responsibility	
17	for either development or deployments of	
18	Android Wear?	
19	A Well, I'll give you a couple of examples.	
20	For instance, marketing is involved. Marketing	1
21	does not report to me.	
22	Similarly, the deals that we talked	
23	about, the business development aspects, that	
24	doesn't report to me.	
25	Q Is there any development plan or strategy	1
	Page 9	7

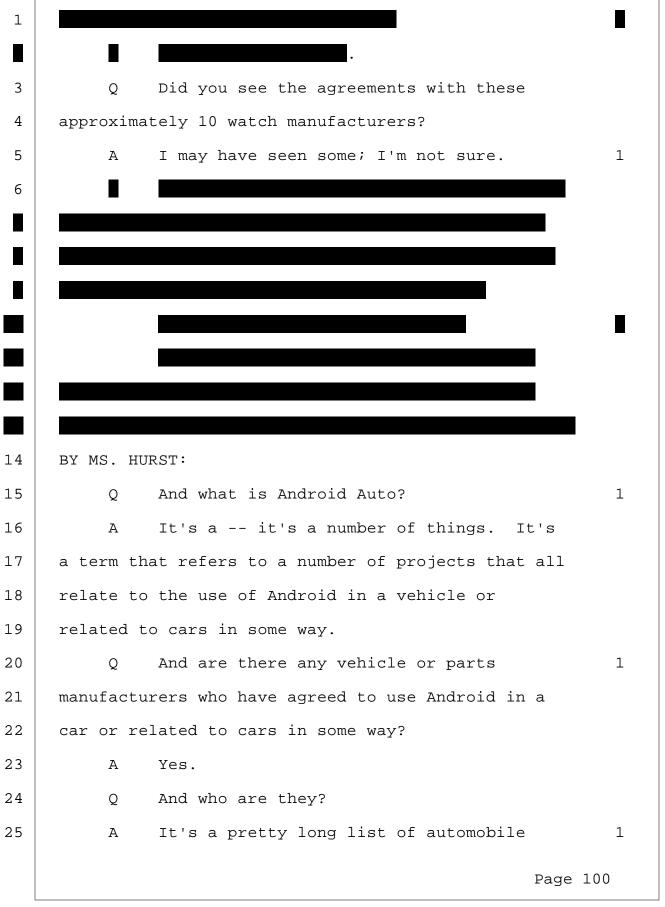
Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 11 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	to use revenue sharing or other payment to potential	1
2	manufacturers of devices using Android Wear?	
3	A Not that I'm aware of.	
4	Q Are you aware, one way or another?	
5	A I'm not aware of any plans, but that	1
6	doesn't mean that I'm absolutely 100 percent sure	
7	that there aren't any plans.	
8	Q So you don't know?	
9	MS. ANDERSON: Objection; form.	
10	THE WITNESS: I don't know for sure, no.	1
11	BY MS. HURST:	
12	Q Did anybody suggest to you that when you	
13	don't know the answer but you want to imply that the	
14	answer is no, you should say "not that I'm aware	
15	of"?	1
16	A No.	
17	MS. ANDERSON: Objection; form.	
18	BY MS. HURST:	
19	Q Are there any manufacturers of any devices	
20	who have agreed to use Android Wear?	1
21	A Say that again.	
22	Q Are there any manufacturers of any devices	
23	who have agreed to use Android Wear?	
24	A Yes, there are manufacturers who have	
25	adopted Android Wear.	1
	Page 9	8

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 12 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY



Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 13 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY



Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 14 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	manufacturers, names that you would recognize like,	1
2	you know, Ford or GM and so on. I think it's	
3	something on the order of 50 or so car	
4	manufacturers in the world who have decided to	
5	adopt Android Auto in some form.	1
6	Q All right.	
7	And over what period of time has that	
8	occurred?	
9	A The agreements with these manufacturers?	
10	Q Yes.	1
11	A Car manufacturers?	
12	Q Yes.	
13	A I believe it's still ongoing, but I think	
14	it started maybe two, three years ago.	
15	Q And are the agreements with those car	1
16	manufacturers, is that handled by some group that	
17	reports to you or by a different group?	
18	A The agreements are handled by a different	
19	group.	
20	Q And who is the leader of that group?	1
21	A The leader of the group who's responsible	
22	for agreements with car manufacturers, for example,	
23	his name is Ariel Spivak.	
24	Q And where is he located?	
25	A He's located here in the Bay Area.	1
	Page 1	01

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 15 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	Q Did you speak with him to prepare for this	1
2	deposition?	
3	A Not to prepare for this deposition, no.	
4	Q Is there any plan or strategy to use	
5	revenue sharing or some other form of payment or	1
6	economic consideration to car manufacturers in	
7	connection with their agreement to use Android Auto?	
8	A Not that I'm aware of.	
9	Q Are you aware, one way or the other?	
10	MS. ANDERSON: Objection; form.	1
11	THE WITNESS: I don't know if there are	
12	any agreements where there are economic	
13	considerations for car manufacturers.	
14	BY MS. HURST:	
15	Q How does Google plan to make money on	1
16	Android Auto?	
17	A As I was mentioning earlier, a lot of	
18	what drives Google is building products that people	
19	want to use. So if you think of the alternative,	
20	if you think of a world in which cars and phones	1
21	work well together, today, for instance, stepping	
22	back today, the extent of a typical car and a phone	
23	interaction is basically Bluetooth, you know, how	
24	you get your phone calls over the car's stereo,	
25	which is a pretty minimal integration, and over	1
	Page 10	02

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 16 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	Senior Vice President of Android that they have made
2	an evaluation of the license terms of OpenJDK and
3	concluded that they are a commercially acceptable
4	means of using the Java API packages, all or any
5	portion of them?
6	MS. ANDERSON: Objection; form, beyond the
7	scope and, again, same privilege instruction.
8	THE WITNESS: Yeah, I don't think I can
9	answer that without breaking privilege.
10	BY MS. HURST:
11	Q Well, my question was other than lawyers.
12	So if there's nobody other than lawyers, then the
13	answer is "nobody other than lawyers."
14	MS. ANDERSON: And this is confusing. If
15	you have information, other than lawyers, you may
16	provide it; it's not privilege. But if it's
17	information solely derived from lawyers, you may
18	indicate that in responding, that there's nothing
19	other than through lawyers.
20	THE WITNESS: Aside from that e-mail on
21	Enso that I received as part of being the Android
22	release mailing list, I don't know anything on this
23	topic, aside from my dealings with the legal team.
24	BY MS. HURST:
25	Q Other than the use of Android platform in
	Page 191

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 17 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	phone, tablets, for Android at Work, wearables,
2	Chrome OS, Chromecast, Android Auto, Android TV and
3	Internet of Things sorry, madam reporter, that
4	was a little fast do you have any other plans,
5	product roadmaps, strategies, functions, markets,
6	devices, goods or services planned to be associated
7	with Android?
8	MS. ANDERSON: Objection; form.
9	THE WITNESS: Not that I can think of, no.
10	That's a pretty exhaustive list. You mentioned TV,
11	Wear, Auto, obviously Android on phones and tablets
12	and the Internet of Things, that's all Android
13	related.
14	Chrome OS is not Android related,
15	Chromecast is not Android related, and I think
16	that's it. Those are my areas of responsibility.
17	BY MS. HURST:
18	Q What is ARC Welder?
19	A ARC Welder, to the best of my
20	knowledge my knowledge is not deep on this
21	topic, but ARC Welder is, I believe, a tool that
22	developers use yeah, it's a tool for developers.
23	Q To do what?
24	A My understanding is ARC Welder and
25	it's A-R-C, then, Welder. Developers use
	Page 192

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 18 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1 ARC Welder to make it possible to run their Android applications on -- within the app runtime for 2 Chrome or ARC on Chrome OS. 3 So ARC stands for the app runtime for 4 Q Chrome? 5 6 Α Yeah. App runtime for Chrome OS, I 7 guess, is more accurate. I'm sorry, I slipped on 8 the first try, but it's app runtime for Chrome OS. 9 Q ARC Welder is a way of making Android applications run on a device that uses the Chrome 10 11 operating system, true? 12 ARC Welder is a tool for selective 13 developers. Not all -- it's not -- to the best of my knowledge, it's not available to all developers. 14 15 But for a select set of developers, we provide them 16 with ARC Welder so that they can take their 17 applications and run it within the ARC system on 18 Chrome OS. 19 So what kind of devices use Chrome OS? There are a number of device categories: 20 Α 21 Laptops, desktop computers, digital signage are 22 examples of devices that run Chrome OS. 2.3 So ARC Welder is a way of making Android 24 applications run on laptops that use Chrome OS, 25 true?

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 19 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	A To be very precise, some applications to
2	run on laptops running Chrome OS called
3	Chromebooks, yes.
4	Q Are you limiting the type
5	In your answer, were you limiting the
6	types of applications, or were you limiting it to
7	the specific types of laptops?
8	A Both. So limited it's not all Android
9	applications. It's a subset, a vast subset,
10	meaning a very small subset of Android applications
11	are eligible to run in ARC, and I'm just pointing
12	out that laptops running Chrome OS are also known
13	as Chromebooks.
14	Q And what categories of apps are eligible
15	to run using ARC?
16	A It's not really separated by category,
17	per se. It's more separated by what's possible,
18	meaning not all applications are able to run in
19	ARC.
20	Q And what common characteristics define the
21	ones that are capable of running in ARC?
22	MS. ANDERSON: Objection; beyond the
23	scope.
24	THE WITNESS: I don't know that level of
25	technical detail. It's a technical determination.
	Page 194

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 20 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

It's not a policy thing. There are certain 1 technology choices made by the ARC team as well as, 2 3 I quess, what the application developer has done that makes certain applications work well, whereas 4 5 certain applications not work well in ARC. So it's manually tested and curated first. 6 BY MS. HURST: I'm just trying to get some understanding 8 9 of this. 10 Can you describe for me in any way how the 11 function of, you know, these Android applications 12 relates to their ability or inability to run in 13 connection with ARC? MS. ANDERSON: Objection; beyond the 14 15 scope. THE WITNESS: Well, I guess another way of 16 saying it is ARC is not a -- it's -- how do I put 17 this? I'm trying to explain it, explain it well. 18 19 ARC is -- it's not like Android is running inside of Chrome OS. ARC is a runtime that enables 20 21 some Android apps to run on Chrome OS, but it's not 22 like Android itself is running on Chrome OS, so that 2.3 means that --24 I'll give you a very concrete example. 25 believe Microsoft Word, which is available on Page 195

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 21 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1 Android, if you take that and try to run it in ARC, it won't run because ARC was built in such a way 2 3 that doesn't support all of the things that Microsoft Word on Android needs, and so that's --4 5 that's basically the gist of what works versus what 6 doesn't. BY MS. HURST: Can you give me some applications that 8 0 9 will run on ARC? 10 MS. ANDERSON: Beyond the scope. 11 THE WITNESS: I remember when we announced 12 ARC -- this was a year, a year and a half ago --13 they did a demo, I think, of Evernote, which is a 14 note-taking app running on ARC, so, I guess, that's 15 one app. 16 I think the other example I can think of 17 is Vine; that's another app that runs on ARC. Last I heard, there were about 100 or so applications 18 19 that run on ARC. 20 Just to put that in perspective, there are 21 about a million -- over a million applications in 22 Google Play, so you can tell it's a tiny, little 2.3 subset. 24 BY MS. HURST: 25 So does it require some kind of close 0 Page 196

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 22 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	cooperation between your team and the app developer
2	in order to get things running Android
3	applications running on ARC?
4	A That's my understanding, yes. And that's
5	how an application application developer would
6	get ahold of ARC Welder in the first place. This
7	would be sort of a one-to-one relationship,
8	engineer-to-engineer or
9	product-person-to-product-person relationship
10	between the ARC team and the developer to ensure
11	that the app is running well.
12	Q Well, is it your plan to make
13	ultimately to make ARC Welder broadly available so
14	that Android applications are available on laptop
15	and desktop computers running Chrome OS?
16	MS. ANDERSON: Objection; form.
17	THE WITNESS: I don't know. You know,
18	we've gone back and forth on how how broad
19	broadly available we want to make the ARC
20	technology. You can think of it as an experiment of
21	sorts, and so I don't know what the latest thinking
22	is from the team on that. It's been probably three
23	to six months since I've gotten an update from them
24	on ARC Welder.
25	
	D 107

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 23 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	BY MS. HURST:
2	Q Does the ARC Welder result in either the
3	Dalvik Virtual Machine or the Android runtime
4	running within Chrome?
5	MS. ANDERSON: Objection; beyond the
6	scope.
7	THE WITNESS: I don't know.
8	BY MS. HURST:
9	Q Are Chromebooks special purpose computers?
10	MS. ANDERSON: Beyond the scope.
11	THE WITNESS: Can you define "special
12	purpose computer"?
13	BY MS. HURST:
14	Q Have you ever heard that term?
15	A Yes, but it's used in so many different
16	ways that I don't know what it means. What did you
17	mean when you asked the question?
18	Q Is it the same or different with respect
19	to its purpose than an ordinary desktop computer?
20	MS. ANDERSON: Objection; form.
21	THE WITNESS: I don't know if there's one
22	singular purpose for a, quote, ordinary desktop
23	computer, so it's hard for me to answer that. For
24	instance, you know, my mother-in-law uses her
25	desktop computer to manage her Mary Kay products.
	Page 198

Page 198

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 24 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	small portion he's covering. It's not a big part of
2	the topics, but I wanted to remind you that his
3	seven hours is almost over.
4	MR. RAMSEY: So I think we attempted to
5	Ms. Hurst attempted to address Topic 7, but the
6	witness was unable or unwilling to testify about
7	that.
8	MS. ANDERSON: Nobody touched on Topic 7.
9	MS. HURST: Keep going. If you've got
10	more on Topic 3, finish.
11	MR. RAMSEY: Yeah, so I just
12	BY MR. RAMSEY:
13	Q So when the the phone manufacturers
14	engage with you about application development, are
15	they concerned about the types of resources they
16	have to invest in the process of learning how to
17	develop?
18	MS. ANDERSON: Objection; form, beyond the
19	scope.
20	THE WITNESS: Well, I was trying to give
21	you two examples. The first one example I was
22	giving you was about material design. In that case,
23	actually they were excited because they they
24	thought material design, first of all, was a very
25	good design direction, and they also saw it as a way
	Page 356

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 25 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1 for them to conserve their resources because they wouldn't have to reinvent a new design language of 2 3 their own, so they saw it as a savings, and so that's -- that's the material design example. 4 5 The other example I would give is when we come out with new form factors, for instance, when 6 we launched Android Wear, it was important for us to make sure that these phone manufacturers, their 8 9 phone -- their apps that came with their phones also properly supported Android Wear, so we did some 10 11 outreach to them on those topics. 12 BY MR. RAMSEY: 13 So did the application developers for the Q phone manufacturers have to learn, for example, the 14 15 new APIs associated with something like Android Wear 16 or materials; is that fair? 17 MS. ANDERSON: Objection; form, beyond the 18 scope. 19 THE WITNESS: Any time there are new APIs that we add to Android, like the 3,000 new APIs we 20 21 added to L, everyone, every app developer, whether 22 they're from phone manufacturers or a kid in Topica, 23 Kansas, you know, they have to -- they have to learn 24 it because it's new to them. 25 Does that take some time for application 0 Page 357

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 26 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	developers across the communities that you've just
2	talked about to learn APIs?
3	MS. ANDERSON: Objection; form, beyond the
4	scope.
5	THE WITNESS: I think it depends on the
6	competence level of these developers and also the
7	interest level that they have in adopting these new
8	APIs. So I don't know if there's a fixed number,
9	per se, but sure, it's just like learning anything
10	new. Everyone has their own pace and their own
11	desire level, level of desire, to, you know, decide
12	how deep they want to go.
13	BY MR. RAMSEY:
14	Q So other than
15	I'm going to come back to fragmentation.
16	Other than version fragmentation, does
17	Google Play Services help mitigate any other type of
18	fragmentation within Android?
19	MS. ANDERSON: Objection; form.
20	THE WITNESS: Just to clarify, the version
21	fragmentation, I didn't say Google Play Services
22	would solve version fragmentation. I said it
23	handles a small sliver of that problem, just for the
24	portions that are included in Google Play Services.
25	Really, in relative terms, it's a tiny, little
	Page 358
25	

Case 3:10-cv-03561-WHA Document 2128-1 Filed 04/20/17 Page 27 of 27 HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

1	I, the undersigned, a Certified Shorthand
2	Reporter of the State of California, do hereby certify:
3	That the foregoing proceedings were taken
4	before me at the time and place herein set forth; that
5	any witnesses in the foregoing proceedings, prior to
6	testifying, were administered an oath; that a record of
7	the proceedings was made by me using machine shorthand
8	which was thereafter transcribed under my direction;
9	that the foregoing transcript is a true record of the
10	testimony given.
11	Further, that the foregoing pertains to the
12	original transcript of a deposition in a Federal Case,
13	before completion of the proceedings, a review of the
14	transcript [X] was [] was not requested.
15	I further certify I am neither financially
16	interested in the action nor a relative or employee of
17	any attorney or any party to this action.
18	IN WITNESS WHEREOF, I have this date
19	subscribed my name.
20	
21	Dated: 12/10/2015
22	
23	Kally Carps
24	Perer Campo
	KELLI COMBS
25	CSR No. 7705
	Page 370